

**AMENDMENTS TO THE SPECIFICATION**

Please amend the paragraph starting at page 13, line 10, of the Specification as follows:

For this reason two reads of the register file provides all the data for the SIMD instruction. When an instruction is to be executed for only a portion of the PEs (i.e., when the activation mask reveals some inactive PEs), then the write-back of the result of the instruction in the destination register has to be selectively applied only to the subwords associated with the active PEs. Otherwise, a full register write (i.e., not selective) would possibly ~~override~~ overwrite the data (which is still valid) associated with the subwords of the inactive PEs.